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**ABSTRACT OF THE INVENTION**

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3 [0067] An electrostatic actuator with inter-digital rotor and stator fingers formed in a  
4 the insulating and conductive layers of a wafer. The actuator is used to drive  
5 MicroElectroMechanical (MEMS) components, specifically micro-optical components  
6 such as mirrors, attenuators, switches, and tunable filters.